



## Author index

### Volume 36 (1998)

- Alaspää, A., see Kuisma, M. 36, 149  
 Arcidiacono, D., see Kette, F. 36, 153  
 Assar, D., see Donnelly, P.D. 36, 51
- Baskett, P., see Elding, C. 36, 169  
 Bathory, T., see Ravakhah, K. 36, 95  
 Berg, M.D., A.H. Idris, R.A. Berg, Severe ventilatory compromise due to gastric distention during pediatric cardiopulmonary resuscitation 36, 71  
 Berg, R.A., see Berg, M.D. 36, 71  
 Bernardi, G., see Kette, F. 36, 153  
 Bossaert, L.L., see Monsieurs, K.G. 36, 37  
 Bryden, D.C., C.L. Gwinnutt, Tracheal intubation via the laryngeal mask airway: a viable alternative to direct laryngoscopy for nursing staff during cardiopulmonary resuscitation 36, 19
- Cairns, C.B., J.T. Niemann, Hemodynamic effects of repeated doses of epinephrine after prolonged cardiac arrest and CPR: preliminary observations in an animal model 36, 181  
 Calle, P., see Martens, P. 36, 161  
 Capasso, M., see Kette, F. 36, 153  
 Cawood, P., see Grubb, N.R. 36, 193  
 Ciardelli, R., see Dereeper, E. 36, 15  
 Cuthbert, D., see Grubb, N.R. 36, 193
- De Cauwer, H., see Monsieurs, K.G. 36, 37  
 Dereeper, E., R. Ciardelli, J.-L. Vincent, Fatal outcome after poly-trauma: multiple organ failure or cerebral damage? 36, 15  
 Dodek, P.M., B.R. Wiggs, Logistic regression model to predict outcome after in-hospital cardiac arrest: validation, accuracy, sensitivity and specificity 36, 201  
 Donnelly, P.D., C.A. Lester, C.L. Morgan, D. Assar, Evaluating CPR performance in basic life support: the VIDRAP protocol 36, 51
- Elding, C., P. Baskett, A. Hughes, The study of the effectiveness of chest compressions using the CPR-plus 36, 169  
 Entholzner, E.K., see Mielke, L.L. 36, 187
- Flapan, A.D., see Grubb, N.R. 36, 193  
 Fox, K.A., see Grubb, N.R. 36, 193  
 Frank, C., see Mielke, L.L. 36, 187  
 Frittitta, P., see Kette, F. 36, 153  
 Fromm, R.E., Jr., see Varon, J. 36, 133  
 Fromm, R.E., see Varon, J. 36, 165
- Grubb, N.R., D. Cuthbert, P. Cawood, A.D. Flapan, K.A. Fox, Effect of DC shock on serum levels of total creatine kinase, MB-creatine kinase mass and troponin T 36, 193  
 Gwinnutt, C.L., see Bryden, D.C. 36, 19
- Handley, A.J., see Handley, J.A. 36, 3  
 Handley, J.A., A.J. Handley, Four-step CPR—improving skill retention 36, 3  
 Hargasser, S.R., see Mielke, L.L. 36, 187  
 Herlitz, J., see Holmberg, M. 36, 29  
 Hipp, R.F., see Mielke, L.L. 36, 187  
 Holmberg, M., S. Holmberg, J. Herlitz, for the Swedish Cardiac Arrest Registry, Survival after cardiac arrest outside hospital in Sweden 36, 29  
 Holmberg, S., see Holmberg, M. 36, 29  
 Holm, S., see Jørgensen, E.O. 36, 111  
 Hughes, A., see Elding, C. 36, 169
- Idris, A.H., see Berg, M.D. 36, 71  
 Ilebekk, A., see Sunde, K. 36, 123  
 Imagawa, N., see Sato, S. 36, 175  
 Iyer, V.G., see Reid, K.H. 36, 65
- Jørgensen, E.O., Neurological and circulatory outcomes of cardiopulmonary resuscitation in progress: influence of pre-arrest and arrest factors 36, 45  
 Jørgensen, E.O., Selective neurological recovery or dissociated cardiac death—to be or not to be—during cardiopulmonary resuscitation 36, 105  
 Jørgensen, E.O., S. Holm, The natural course of neurological recovery following cardiopulmonary resuscitation 36, 111
- Kette, F., R. Sbrojavacca, G. Rellini, G. Tosolini, M. Capasso, D. Arcidiacono, G. Bernardi, P. Frittitta, Epidemiology and survival rate of out-of-hospital cardiac arrest in north-east Italy: The F.A.C.S. study 36, 153  
 Khalafi, K., see Ravakhah, K. 36, 95  
 Kivioja, A., see Suominen, P. 36, 9  
 Kuisma, M., T. Määttä, P. Rosenberg, A. Alaspää, Utstein style—a suggestion for revision: A statement by the Helsinki Cardiac Arrest Research Team 36, 149
- Lanzinger, M.J., see Mielke, L.L. 36, 187  
 Lester, C.A., see Donnelly, P.D. 36, 51
- Määttä, T., see Kuisma, M. 36, 149  
 Marik, P.E., see Varon, J. 36, 133  
 Martens, P., P. Calle, and the Belgian Cardio Pulmonary Cerebral Resuscitation Study Group, Theoretical calculation of maximum attainable benefit of public access defibrillation in Belgium 36, 161  
 Mielke, L.L., C. Frank, M.J. Lanzinger, M.G. Wilhelm, E.K. Entholzner, S.R. Hargasser, R.F. Hipp, Plasma catecholamine levels following tracheal and intravenous epinephrine administration in swine 36, 187

- Monsieurs, K.G., H. De Cauwer, F.L. Wuyts, L.L. Bossaert, A rule for early outcome classification of out-of-hospital cardiac arrest patients presenting with ventricular fibrillation 36, 37
- Morgan, C.L., see Donnelly, P.D. 36, 51
- Mullins, E.R., see Reid, K.H. 36, 65
- Naess, P.A., see Sunde, K. 36, 123
- Nicolaysen, G., see Sunde, K. 36, 123
- Niemann, J.T., see Cairns, C.B. 36, 181
- Næss, A.-C., see Sunde, K. 36, 59
- Osterwalder, J.J., W. Schuhwerk, Effectiveness of mask ventilation in a training mannikin. A comparison between the Oxylator EM100 and the bag-valve device 36, 23
- Rankin, A.P., The in-hospital Utstein style: use in reporting outcome from cardiac arrest in Middlemore Hospital 1995-1996 36, 91
- Räsänen, J., see Suominen, P. 36, 9
- Ravakhah, K., K. Khalafi, T. Bathory, H.C. Wang, Advanced cardiac life support events in a community hospital and their outcome: evaluation of actual arrests 36, 95
- Reid, K.H., E.R. Mullins, V.G. Iyer, Changes in brainstem auditory evoked response latency predict survival after CPR in a rat model of cardiac arrest and resuscitation 36, 65
- Rellini, G., see Kette, F. 36, 153
- Rosenberg, P., see Kuisma, M. 36, 149
- Sato, S., N. Imagawa, Effects of lidocaine and mexiletine on defibrillation energy requirements in animals treated with flecainide 36, 175
- Sbrojavacca, R., see Kette, F. 36, 153
- Schuhwerk, W., see Osterwalder, J.J. 36, 23
- Steen, P.A., see Sunde, K. 36, 123
- Steen, P.A., see Sunde, K. 36, 59
- Sunde, K., L. Wik, A.-C. Næss, P.A. Steen, Impact of a child first aid wall calendar on lay people's skills and knowledge of infant CPR 36, 59
- Sunde, K., L. Wik, P.A. Naess, A. Ilebekk, G. Nicolaysen, P.A. Steen, Effect of different compression-decompression cycles on haemodynamics during ACD-CPR in pigs 36, 123
- Suominen, P., J. Räsänen, A. Kivioja, Efficacy of cardiopulmonary resuscitation in pulseless paediatric trauma patients 36, 9
- Tosolini, G., see Kette, F. 36, 153
- Varon, J., G.L. Walsh, P. E. Marik, R.E. Fromm, Should a cancer patient be resuscitated following an in-hospital cardiac arrest? 36, 165
- Varon, J., P.E. Marik, R.E. Fromm, Jr., Cardiopulmonary resuscitation: a review for clinicians 36, 133
- Vincent, J.-L., see Dereeper, E. 36, 15
- Walsh, G.L., see Varon, J. 36, 165
- Wang, H.C., see Ravakhah, K. 36, 95
- Weinberg, A.D., The role of inhalation rewarming in the early management of hypothermia 36, 101
- Wiggs, B.R., see Dodek, P.M. 36, 201
- Wik, L., see Sunde, K. 36, 123
- Wik, L., see Sunde, K. 36, 59
- Wilhelm, M.G., see Mielke, L.L. 36, 187
- Wuyts, F.L., see Monsieurs, K.G. 36, 37



## Subject index

### Volume 36 (1998)

- Active compression-decompression;** CPR; Duty cycle; Blood flow; Coronary perfusion pressure; ETCO<sub>2</sub> 36, 123
- Administration routes;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Cardiac emergencies; Cardiac arrest 36, 187
- Antiarrhythmic drugs;** Ventricular defibrillation threshold (DFT); Lidocaine; Mexiletine; Flecainide 36, 175
- Assessment;** Basic life support; Video; Manikin printout 36, 51
- Bag-valve device;** Mask ventilation; Training mannikin; Comparison; Oxylator EM100 36, 23
- Basic life support;** Assessment; Video; Manikin printout 36, 51
- Basic Life Support (BLS);** Education; Cardiopulmonary resuscitation (CPR) 36, 3
- Blood flow;** Active compression-decompression; CPR; Duty cycle; Coronary perfusion pressure; ETCO<sub>2</sub> 36, 123
- Blood flow;** Brainstem; Cardiopulmonary resuscitation; Cardiac arrest; Brainstem auditory evoked response 36, 65
- Brainstem auditory evoked response;** Brainstem; Blood flow; Cardiopulmonary resuscitation; Cardiac arrest 36, 65
- Brainstem;** Blood flow; Cardiopulmonary resuscitation; Cardiac arrest; Brainstem auditory evoked response 36, 65
- Bypass surgery;** Cardiopulmonary arrest; Resuscitation 36, 95
- Bystander;** Infant cardiopulmonary resuscitation; Choking; Education 36, 59
- Cancer;** Cardiopulmonary resuscitation; CPR; Health care resources; Outcome 36, 165
- Cardiac arrest;** Brainstem; Blood flow; Cardiopulmonary resuscitation; Brainstem auditory evoked response 36, 65
- Cardiac arrest;** Cardiopulmonary resuscitation; Ventricular fibrillation 36, 133
- Cardiac arrest;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies 36, 187
- Cardiac arrest;** In-hospital; Outcome 36, 91
- Cardiac arrest;** Inpatient; Outcome; Predictors; Logistic regression 36, 201
- Cardiac arrest;** Linear regression model; Public access defibrillation 36, 161
- Cardiac arrest;** Out-of-hospital CPR; Utstein template; Emergency medical services 36, 153
- Cardiac arrest;** Survival; Outside hospital; Sweden 36, 29
- Cardiac arrest;** Ventricular fibrillation; Catecholamines; Epinephrine 36, 181
- Cardiac emergencies;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac arrest 36, 187
- Cardiopulmonary arrest;** CPR adjuncts; External chest compressions 36, 169
- Cardiopulmonary arrest;** Resuscitation; Bypass surgery 36, 95
- Cardiopulmonary arrest;** Resuscitation; Cerebral ischemia; Neurologic examination; Electroencephalography; Patient outcome assessment 36, 111
- Cardiopulmonary arrest;** Resuscitation; Myocardial ischemia; Cerebral ischemia; Patient outcome assessment 36, 45
- Cardiopulmonary arrest;** Resuscitation; Neurologic examination; Survival; Death 36, 105
- Cardiopulmonary resuscitation;** Brainstem; Blood flow; Cardiac arrest; Brainstem auditory evoked response 36, 65
- Cardiopulmonary resuscitation;** Cancer; CPR; Health care resources; Outcome 36, 165
- Cardiopulmonary resuscitation;** Child; Pediatrics; Ventilation; End-tidal carbon dioxide; Gastric distention 36, 71
- Cardiopulmonary resuscitation (CPR);** Basic Life Support (BLS); Education 36, 3
- Cardiopulmonary resuscitation;** Epinephrine; Drug administration; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187



- Cardiopulmonary resuscitation;** Training; Ventilation 36, 19
- Cardiopulmonary resuscitation;** Ventricular fibrillation; Cardiac arrest 36, 133
- Catecholamines;** Cardiac arrest; Ventricular fibrillation; Epinephrine 36, 181
- Catecholamines;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- Cerebral ischemia;** Cardiopulmonary arrest; Resuscitation; Myocardial ischemia; Patient outcome assessment 36, 45
- Cerebral ischemia;** Cardiopulmonary arrest; Resuscitation; Neurologic examination; Electroencephalography; Patient outcome assessment 36, 111
- Child;** Pediatrics; Ventilation; Cardiopulmonary resuscitation; End-tidal carbon dioxide; Gastric distention 36, 71
- Choking;** Infant cardiopulmonary resuscitation; Bystander; Education 36, 59
- Comparison;** Mask ventilation; Training mannikin; Oxylator EM100; Bag-valve device 36, 23
- Coronary perfusion pressure;** Active compression-decompression; CPR; Duty cycle; Blood flow; ETCO<sub>2</sub> 36, 123
- CPR;** Active compression-decompression; Duty cycle; Blood flow; Coronary perfusion pressure; ETCO<sub>2</sub> 36, 123
- CPR adjuncts;** Cardiopulmonary arrest; External chest compressions 36, 169
- CPR;** Cardiopulmonary resuscitation; Cancer; Health care resources; Outcome 36, 165
- CPR;** Paediatric; Trauma and cardiac arrest 36, 9
- Creatine kinase;** DC cardioversion; Myocardial infarction 36, 193
- DC cardioversion;** Creatine kinase; Myocardial infarction 36, 193
- Death;** Cardiopulmonary arrest; Resuscitation; Neurologic examination; Survival 36, 105
- Discriminant analysis;** Outcome; Prediction; Resuscitation; Rhythm analysis; Survival index; Ventricular fibrillation; Wave form characteristics 36, 37
- Drug administration;** Epinephrine; Cardiopulmonary resuscitation; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- Duty cycle;** Active compression-decompression; CPR; Blood flow; Coronary perfusion pressure; ETCO<sub>2</sub> 36, 123
- Education;** Basic Life Support (BLS); Cardiopulmonary resuscitation (CPR) 36, 3
- Education;** Infant cardiopulmonary resuscitation; Choking; Bystander 36, 59
- Electroencephalography;** Cardiopulmonary arrest; Resuscitation; Cerebral ischemia; Neurologic examination; Patient outcome assessment 36, 111
- Emergency medical services;** Cardiac arrest; Out-of-hospital CPR; Utstein template 36, 153
- End-tidal carbon dioxide;** Child; Pediatrics; Ventilation; Cardiopulmonary resuscitation; Gastric distention 36, 71
- Epinephrine;** Cardiac arrest; Ventricular fibrillation; Catecholamines 36, 181
- Epinephrine;** Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- ETCO<sub>2</sub>;** Active compression-decompression; CPR; Duty cycle; Blood flow; Coronary perfusion pressure 36, 123
- External chest compressions;** Cardiopulmonary arrest; CPR adjuncts 36, 169
- Flecainide;** Antiarrhythmic drugs; Ventricular defibrillation threshold (DFT); Lidocaine; Mexiletine 36, 175
- Gastric distention;** Child; Pediatrics; Ventilation; Cardiopulmonary resuscitation; End-tidal carbon dioxide 36, 71
- Head injury;** Multiple trauma; Organ failure; Non-penetrating trauma 36, 15
- Health care resources;** Cardiopulmonary resuscitation; Cancer; CPR; Outcome 36, 165
- Helsinki;** Out-of-hospital cardiac arrests; Utstein style 36, 149
- Hypothermia;** Inhalation rewarming; Resuscitation 36, 101
- Infant cardiopulmonary resuscitation;** Choking; Bystander; Education 36, 59
- Inhalation rewarming;** Hypothermia; Resuscitation 36, 101
- In-hospital;** Cardiac arrest; Outcome 36, 91
- Inpatient;** Cardiac arrest; Outcome; Predictors; Logistic regression 36, 201
- Intubation;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Tracheal; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- Lidocaine;** Antiarrhythmic drugs; Ventricular defibrillation threshold (DFT); Mexiletine; Flecainide 36, 175
- Linear regression model;** Cardiac arrest; Public access defibrillation 36, 161
- Logistic regression;** Cardiac arrest; Inpatient; Outcome; Predictors 36, 201
- Manikin printout;** Basic life support; Assessment; Video 36, 51
- Mask ventilation;** Training mannikin; Comparison; Oxylator EM100; Bag-valve device 36, 23
- Mexiletine;** Antiarrhythmic drugs; Ventricular defibrillation threshold (DFT); Lidocaine; Flecainide 36, 175
- Multiple trauma;** Head injury; Organ failure; Non-penetrating trauma 36, 15
- Myocardial infarction;** Creatine kinase; DC cardioversion 36, 193

- Myocardial ischemia;** Cardiopulmonary arrest; Resuscitation; Cerebral ischemia; Patient outcome assessment 36, 45
- Neurologic examination;** Cardiopulmonary arrest; Resuscitation; Cerebral ischemia; Electroencephalography; Patient outcome assessment 36, 111
- Neurologic examination;** Cardiopulmonary arrest; Resuscitation; Survival; Death 36, 105
- Non-penetrating trauma;** Multiple trauma; Head injury; Organ failure 36, 15
- Organ failure;** Multiple trauma; Head injury; Non-penetrating trauma 36, 15
- Outcome;** Cardiac arrest; Inpatient; Predictors; Logistic regression 36, 201
- Outcome;** Cardiopulmonary resuscitation; Cancer; CPR; Health care resources 36, 165
- Outcome;** Discriminant analysis; Prediction; Resuscitation; Rhythm analysis; Survival index; Ventricular fibrillation; Wave form characteristics 36, 37
- Outcome;** In-hospital; Cardiac arrest 36, 91
- Out-of-hospital cardiac arrests;** Helsinki; Utstein style 36, 149
- Out-of-hospital CPR;** Cardiac arrest; Utstein template; Emergency medical services 36, 153
- Outside hospital;** Cardiac arrest; Survival; Sweden 36, 29
- Oxylator EM100;** Mask ventilation; Training mannikin; Comparison; Bag-valve device 36, 23
- Paediatric;** CPR; Trauma and cardiac arrest 36, 9
- Patient outcome assessment;** Cardiopulmonary arrest; Resuscitation; Cerebral ischemia; Neurologic examination; Electroencephalography 36, 111
- Patient outcome assessment;** Cardiopulmonary arrest; Resuscitation; Myocardial ischemia; Cerebral ischemia 36, 45
- Pediatrics;** Child; Ventilation; Cardiopulmonary resuscitation; End-tidal carbon dioxide; Gastric distention 36, 71
- Pharmacokinetics;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Tracheal; Catecholamines; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- Prediction;** Discriminant analysis; Outcome; Resuscitation; Rhythm analysis; Survival index; Ventricular fibrillation; Wave form characteristics 36, 37
- Predictors;** Cardiac arrest; Inpatient; Outcome; Logistic regression 36, 201
- Public access defibrillation;** Cardiac arrest; Linear regression model 36, 161
- Resuscitation;** Cardiopulmonary arrest; Bypass surgery 36, 95
- Resuscitation;** Cardiopulmonary arrest; Cerebral ischemia; Neurologic examination; Electroencephalography; Patient outcome assessment 36, 111
- Resuscitation;** Cardiopulmonary arrest; Myocardial ischemia; Cerebral ischemia; Patient outcome assessment 36, 45
- Resuscitation;** Cardiopulmonary arrest; Neurologic examination; Survival; Death 36, 105
- Resuscitation;** Discriminant analysis; Outcome; Prediction; Rhythm analysis; Survival index; Ventricular fibrillation; Wave form characteristics 36, 37
- Resuscitation;** Inhalation rewarming; Hypothermia 36, 101
- Rhythm analysis;** Discriminant analysis; Outcome; Prediction; Resuscitation; Survival index; Ventricular fibrillation; Wave form characteristics 36, 37
- Survival;** Cardiac arrest; Outside hospital; Sweden 36, 29
- Survival;** Cardiopulmonary arrest; Resuscitation; Neurologic examination; Death 36, 105
- Survival index;** Discriminant analysis; Outcome; Prediction; Resuscitation; Rhythm analysis; Ventricular fibrillation; Wave form characteristics 36, 37
- Sweden;** Cardiac arrest; Survival; Outside hospital 36, 29
- Tracheal;** Epinephrine; Cardiopulmonary resuscitation; Drug administration; Intubation; Catecholamines; Pharmacokinetics; Administration routes; Cardiac emergencies; Cardiac arrest 36, 187
- Training;** Cardiopulmonary resuscitation; Ventilation 36, 19
- Training mannikin;** Mask ventilation; Comparison; Oxylator EM100; Bag-valve device 36, 23
- Trauma and cardiac arrest;** Paediatric; CPR 36, 9
- Utstein style;** Helsinki; Out-of-hospital cardiac arrests 36, 149
- Utstein template;** Cardiac arrest; Out-of-hospital CPR; Emergency medical services 36, 153
- Ventilation;** Cardiopulmonary resuscitation; Training 36, 19
- Ventilation;** Child; Pediatrics; Cardiopulmonary resuscitation; End-tidal carbon dioxide; Gastric distention 36, 71
- Ventricular defibrillation threshold (DFT);** Antiarrhythmic drugs; Lidocaine; Mexiletine; Flecainide 36, 175
- Ventricular fibrillation;** Cardiac arrest; Catecholamines; Epinephrine 36, 181
- Ventricular fibrillation;** Cardiopulmonary resuscitation; Cardiac arrest 36, 133
- Ventricular fibrillation;** Discriminant analysis; Outcome; Prediction; Resuscitation; Rhythm analysis; Survival index; Wave form characteristics 36, 37
- Video;** Basic life support; Assessment; Manikin printout 36, 51
- Wave form characteristics;** Discriminant analysis; Outcome; Prediction; Resuscitation; Rhythm analysis; Survival index; Ventricular fibrillation 36, 37



